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## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : <b>C12N 15/16, 15/70, 1/21, C07K 14/575, A61K 38/22 // (C12N 1/21, C12R 1:19)</b>	<b>A2</b>	(11) International Publication Number: <b>WO 97/20933</b>
		(43) International Publication Date: <b>12 June 1997 (12.06.97)</b>
<p>(21) International Application Number: <b>PCT/US96/18561</b></p> <p>(22) International Filing Date: <b>3 December 1996 (03.12.96)</b></p> <p>(30) Priority Data: <b>08/568,077</b>      <b>6 December 1995 (06.12.95)</b>      <b>US</b></p> <p>(71) Applicant: <b>SCHERING CORPORATION [US/US]; 2000 Galloping Hill Road, Kenilworth, NJ 07033 (US).</b></p> <p>(72) Inventors: <b>ALTMANN, Scott, W.; 2821 Alma Street, Palo Alto, CA 94306 (US). ROCK, Fernando; 721 Shell Boulevard #203, Foster City, CA 94404 (US). BAZAN, J., Fernando; 775 University Drive, Menlo Park, CA 94025 (US). KASTELEIN, Robert, A.; 463 Summit Drive, Redwood City, CA 94062 (US).</b></p> <p>(74) Agents: <b>LUNN, Paul, G. et al.; Schering-Plough Corporation, Patent Dept. K-6-1 1990, 2000 Galloping Hill Road, Kenilworth, NJ 07033-0530 (US).</b></p>		<p>(81) Designated States: <b>AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CZ, EE, GE, HU, IL, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).</b></p> <p><b>Published</b> <i>Without international search report and to be republished upon receipt of that report.</i></p>

(54) Title: **MUTATIONAL VARIANTS OF MAMMALIAN Ob GENE PROTEINS**

## (57) Abstract

Mutins, which are mutational variants of mammalian proteins. Particular positions of natural proteins are identified as critical in providing various different activities. Specific embodiments demonstrate properties of variations at these positions.

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